

LIPIDATIN®

Cardio- and cerebro-vascular diseases (CCV) are the main and most frequent causes of disability and mortality in high developed countries. The development of CCV is often associated to specific physiologic (i.e. age and sex) or pathologic conditions defined as risk factors. The presence of multiple risk factors as arterial hypertension, visceral obesity, insulin resistance and dyslipidaemia characterises a clinical condition at high CCV risk called metabolic syndrome (MS).

The subjects affected by MS who do not modify radically their lifestyle, have a considerable increase in the risk of developing CCV diseases with a subsequent elevated rate of mortality.⁽¹⁾

Modifying the lifestyle and food habits is the first action to be taken in improving the CCV risk and should precede any pharmacological intervention on hypercholesterolemia, as above defined as well known risk factor for the CCV diseases.⁽²⁾

The international guide lines developed by the European Society of Cardiology (ESC) and the European Atherosclerosis Society (EAS) include not only the diet modifications, but also the addition of nutraceuticals or food supplements, and red yeast rice is among these ones, in innovative nutritional strategies to improve dyslipidaemia.

SOLUBLE TECHNOLOGY

Soluble formulations are solide immediate release forms that need to be dissolved in water with rapid stirring at the time of administration. They yield an oral solution or suspension depending on API solubility.

- **Fast onset of action**
- **Large amount of API**
- **High bioavailability**
- **Easy to manage than conventional liquids**
- **User friendly**
- **Solvent and alcohol free**

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LIPIDATIN®
FOOD SUPPLEMENT

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Food supplement for Metabolic Syndrome based on Red Yeast Rice, Mulberry extract, Banaba extract and Chromium

Red yeast rice, produced by the fermentation of rice due to the action of a fungus, *Monascus purpureus*, showed favourable effects on plasma cholesterol, due to its active principle monacolin K, corresponding to the chemical structure of lovastatin.

Mulberry extract has hypoglycaemic activity and contributes to maintain normal blood glucose levels.^(3,4,5)

Banaba extract helps to maintain normal blood glucose levels and contributes to normal glucose metabolism. It participates to the management of body weight: it is an adjuvant during a hypocaloric diet for the control weight.

Chromium helps to maintain normal blood glucose levels, it contributes to normal glucose-insulin metabolism and can delay increased level of blood glucose.⁽⁶⁾ It promotes carbohydrates and lipid catabolism, helping in body weight maintaining.⁽⁷⁾

Chromium is also important for blood glucose level, glucose tolerance,⁽⁸⁾ and for normal carbohydrate, lipid and protein metabolism.



CLINICAL DATA

Hypolipidemic efficacy and safety of **LIPIDATIN®** have been under evaluation in a preliminary, observational clinical study, in which 30 subjects presenting abnormal values of cholesterolemia (tot chol >190 mg/dL or LDL chol >150 mg/dL) not requiring a hypolipidemic pharmacologic therapy, were enrolled (De Leo et al. 2017).

LIPIDATIN® is administered orally at the dose of 1 sachet/day for 12 weeks with evaluation of the lipidic and glucidic profile at 6 and 12 weeks after the start of treatment.

The following blood lipid parameters are evaluated: tot chol, HDL chol, LDL chol, triglycerides, glycaemia, insulin, weight and wrist circumference.

Phytosurveillance: any adverse reaction or unwanted event is recorded in the Case report form, specifying severity, duration, onset time, relationship with the treatment and the action taken.

INDICATIONS

LIPIDATIN® is a food supplement available in soluble granules (in sachet).

LIPIDATIN® favours the control of plasma cholesterol and triglycerides and helps in maintaining normal levels of glycaemia, as integration of an adequate and varied diet. It contributes to control body weight.

HOW TO USE

1 sachet of **LIPIDATIN®** per day is recommended. The soluble granules should be dissolved in a glass of water.

- GLUTEN FREE
- LACTOSE FREE
- SUGAR FREE
- PRESERVATIVES FREE



INGREDIENTS

| | Content for sachet/stick | % RNV* |
|---|--------------------------|--------|
| MONACOLIN K FROM RED YEAST RICE (<i>Oryza sativa</i> L. <i>Monascus purpureus</i> Went., seed)** | 10 mg | |
| MULBERRY (<i>Morus alba</i> leaf) extract min 1% deoxynojirimycin | 4 mg | |
| BANABA (<i>Lagerstroemia speciosa</i> L. leaf) dry extract (min 1% corosolic acid) | 20 mg | |
| CHROMIUM | 40 µg | 100 % |

(*) % Reference Nutrient Values - (**) Rice Kolin™

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